

AS			
	1	2	3
AS-1	p2	p0	
AS-2	p1	pFix2	pFix3

Figure 2

Luciferase activity

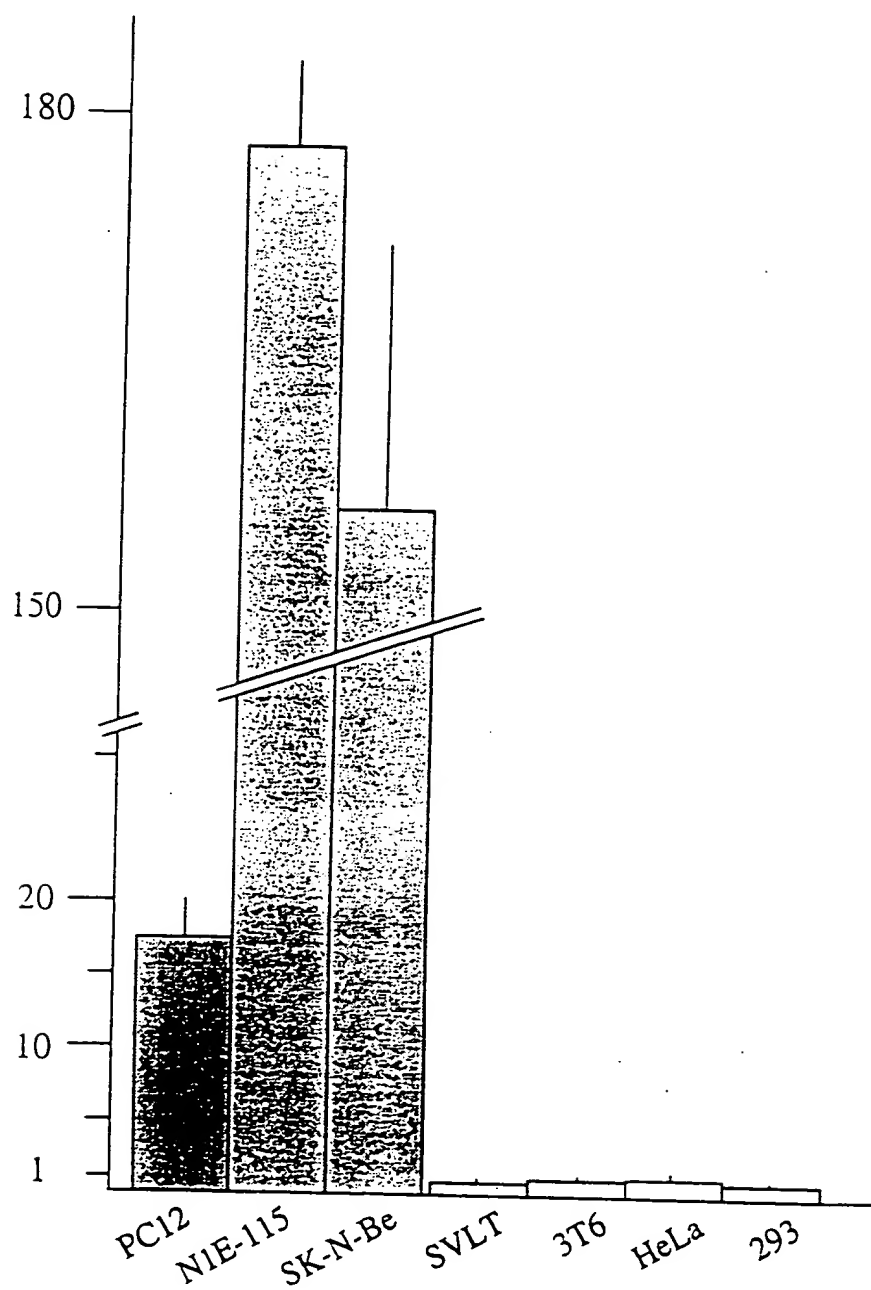


Figure 3

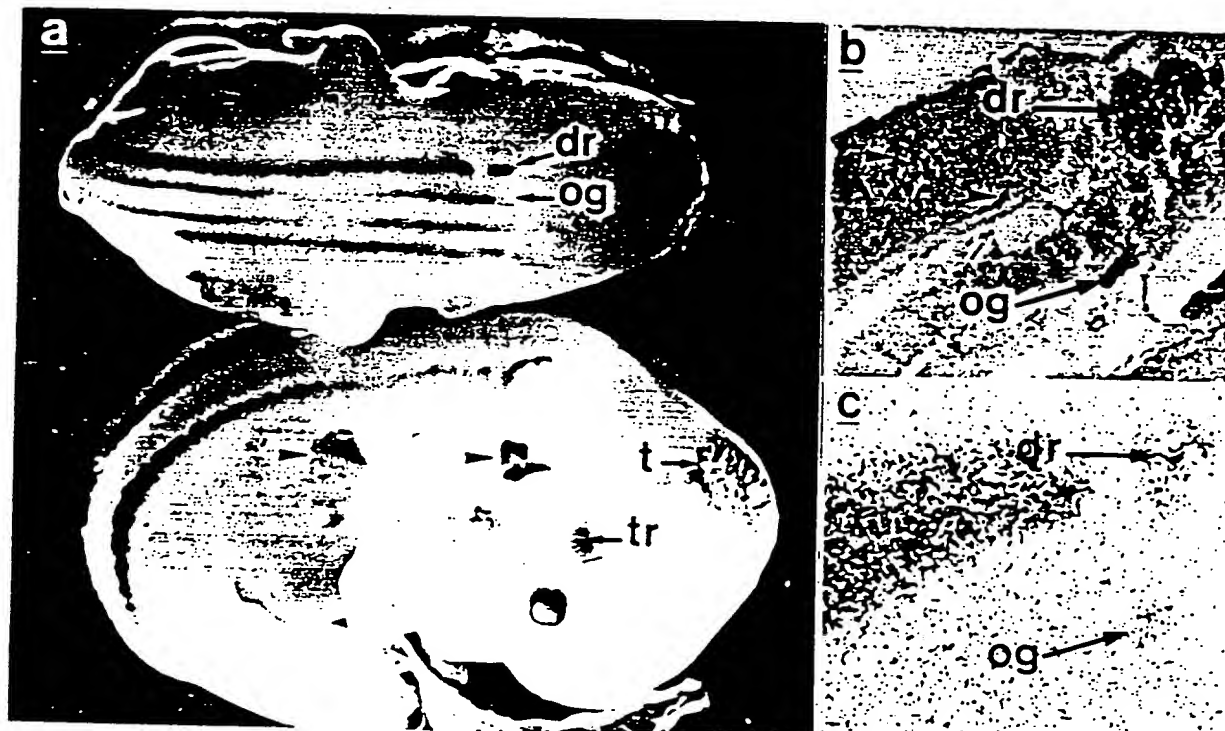


Figure 4



Figure 5

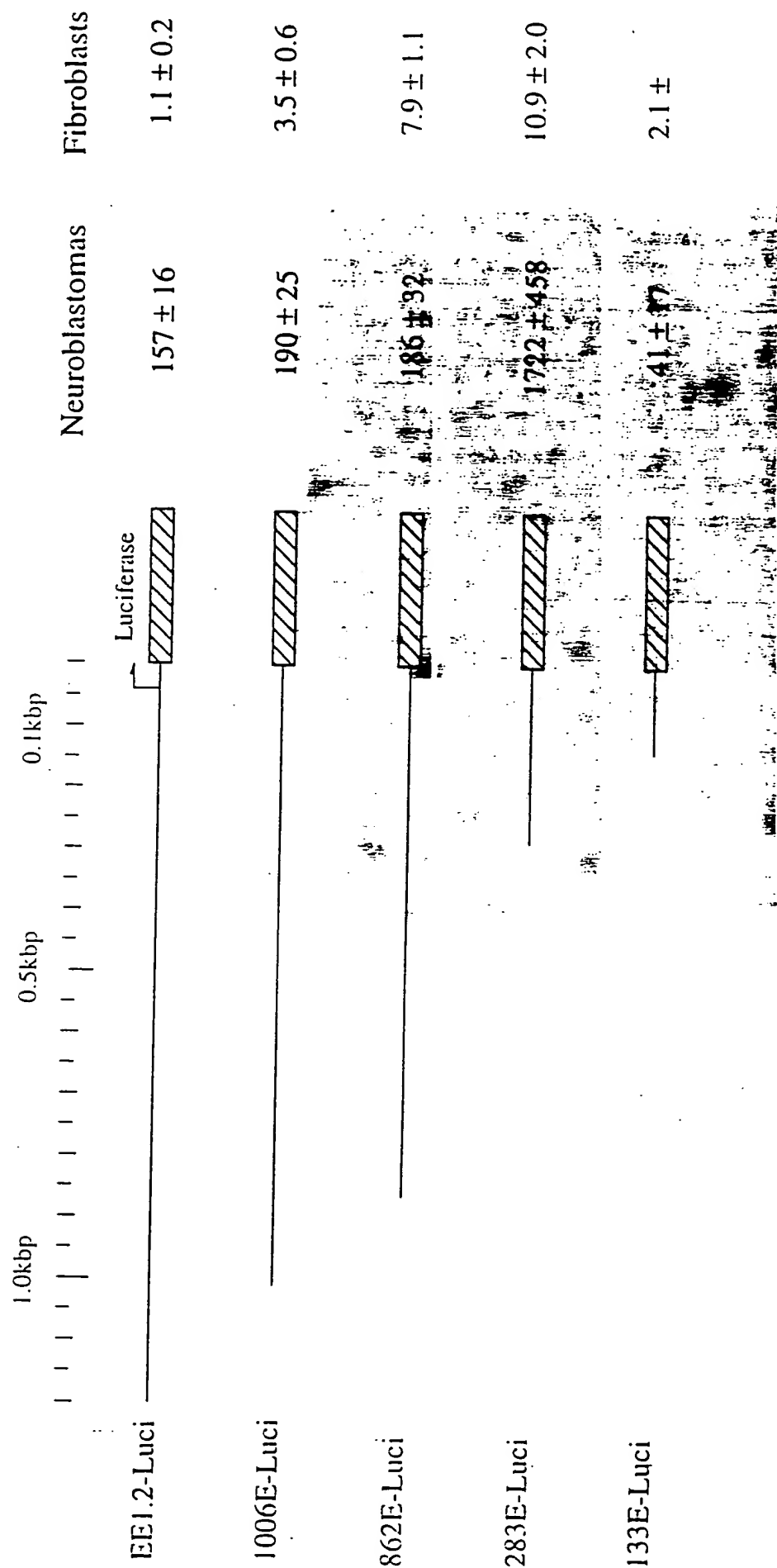


Figure 6

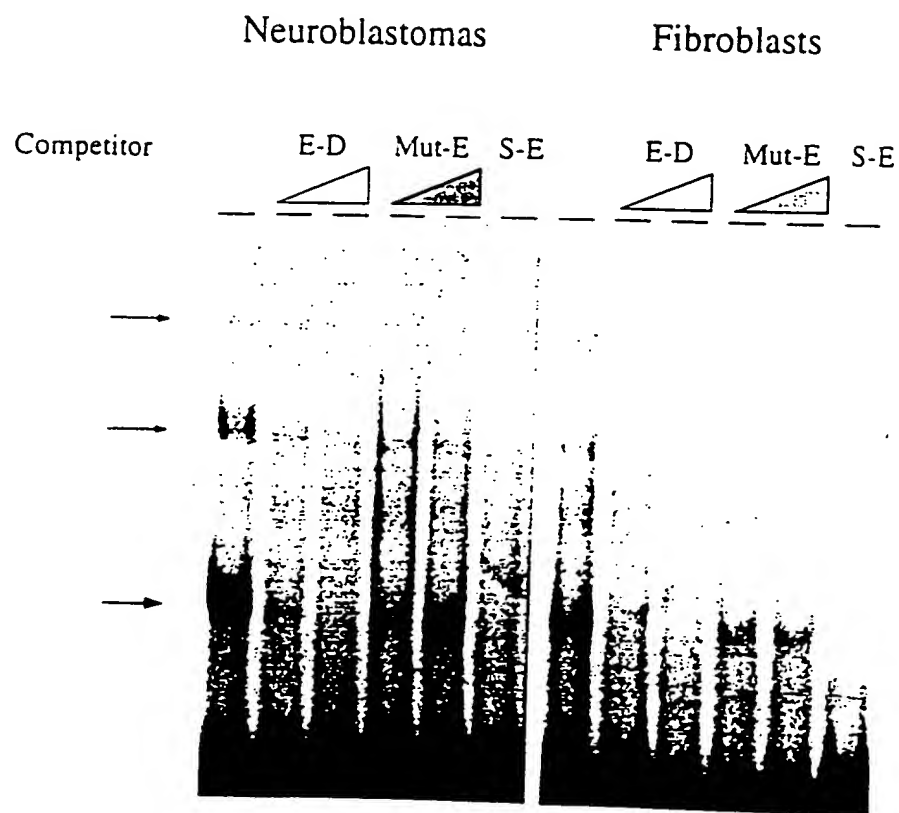


Figure 7

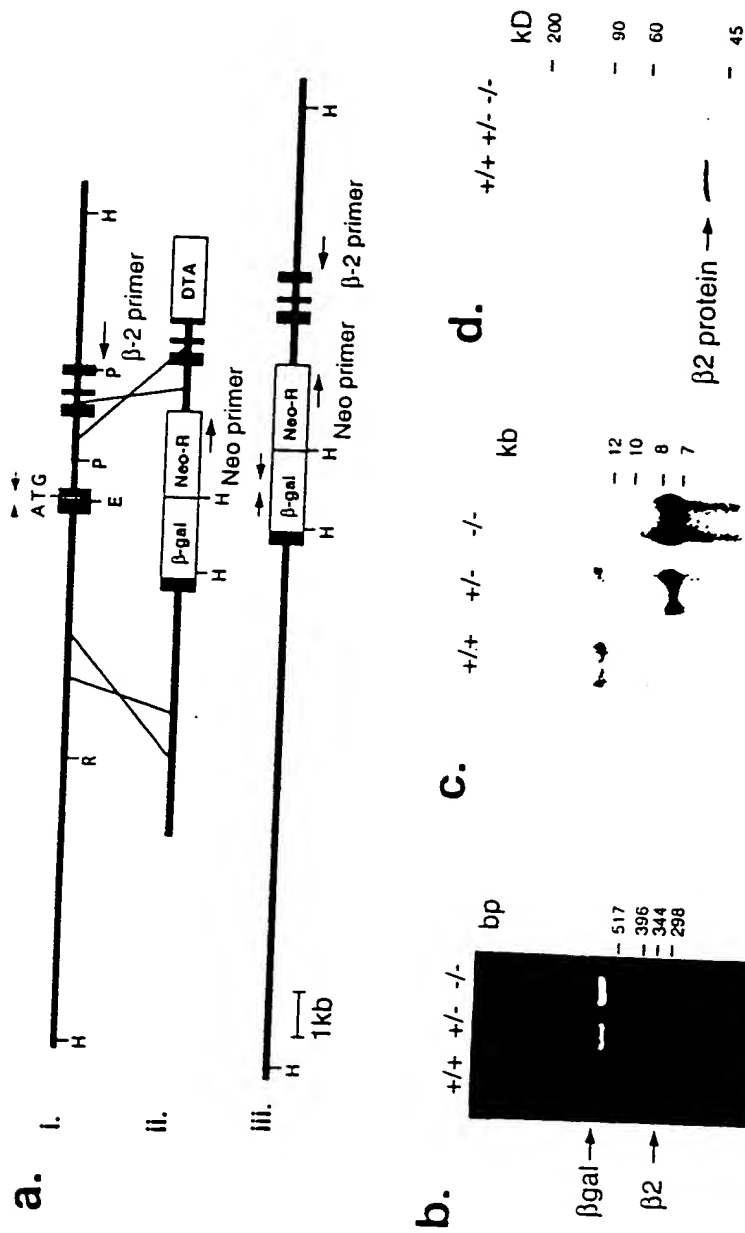


Figure 8

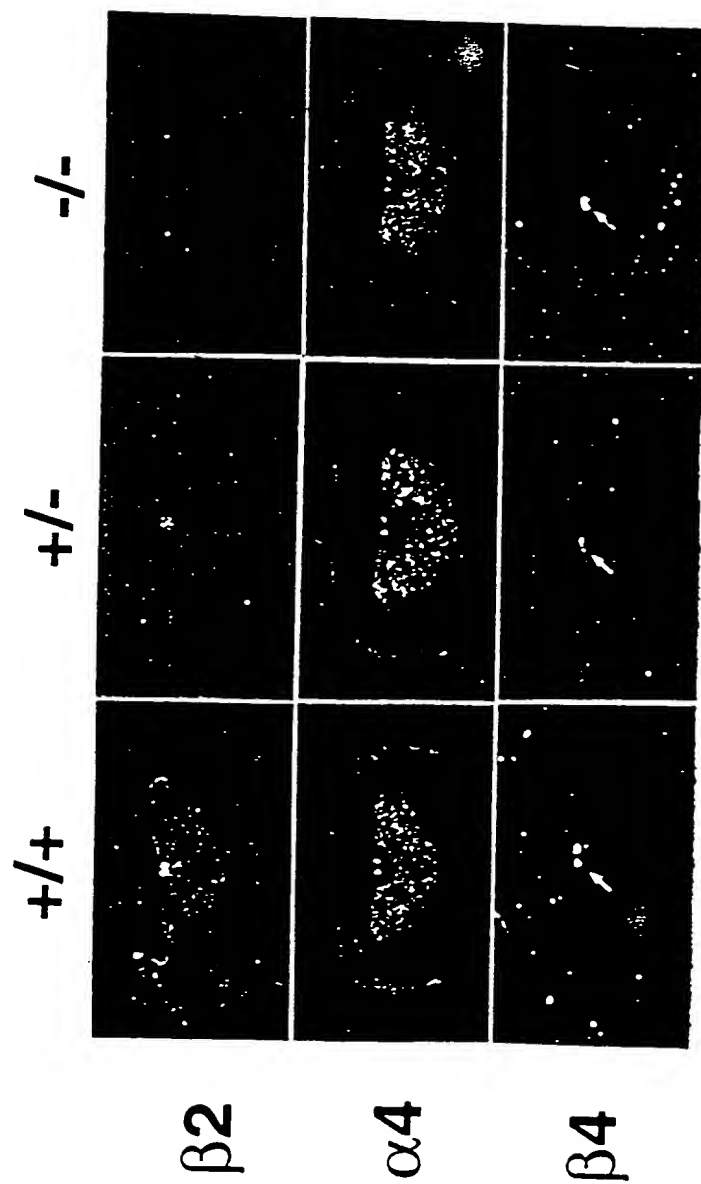


Figure 9 A










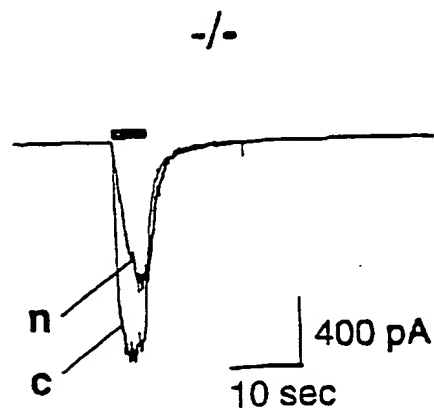
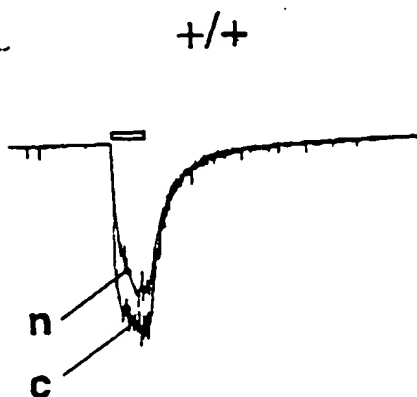
-/-			
+/-			
+/+			
	striatum	thalamus	tectum

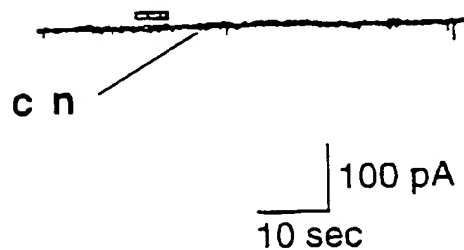
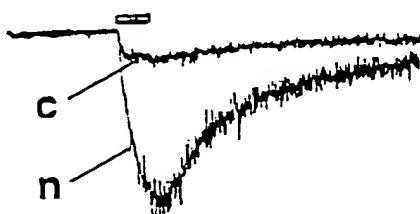
Figure 9 B



medial
habenula



anterior
thalamus



n - nicotine 10 μ M
c - cytisine 10 μ M

Figure 10 A

nucleus	genotype	# cells tested	responses	% response
Antero-dorsal thalamus	+/+	22	22	100
	-/-	15	0	0
Latero-dorsal thalamus	+/+	14	14	100
	-/-	9	0	0
Antero-ventral thalamus	+/+	36	36	100
	-/-	10	0	0
Medial habenula	+/+	8	8	100
	-/-	9	8	89

Figure 10 B

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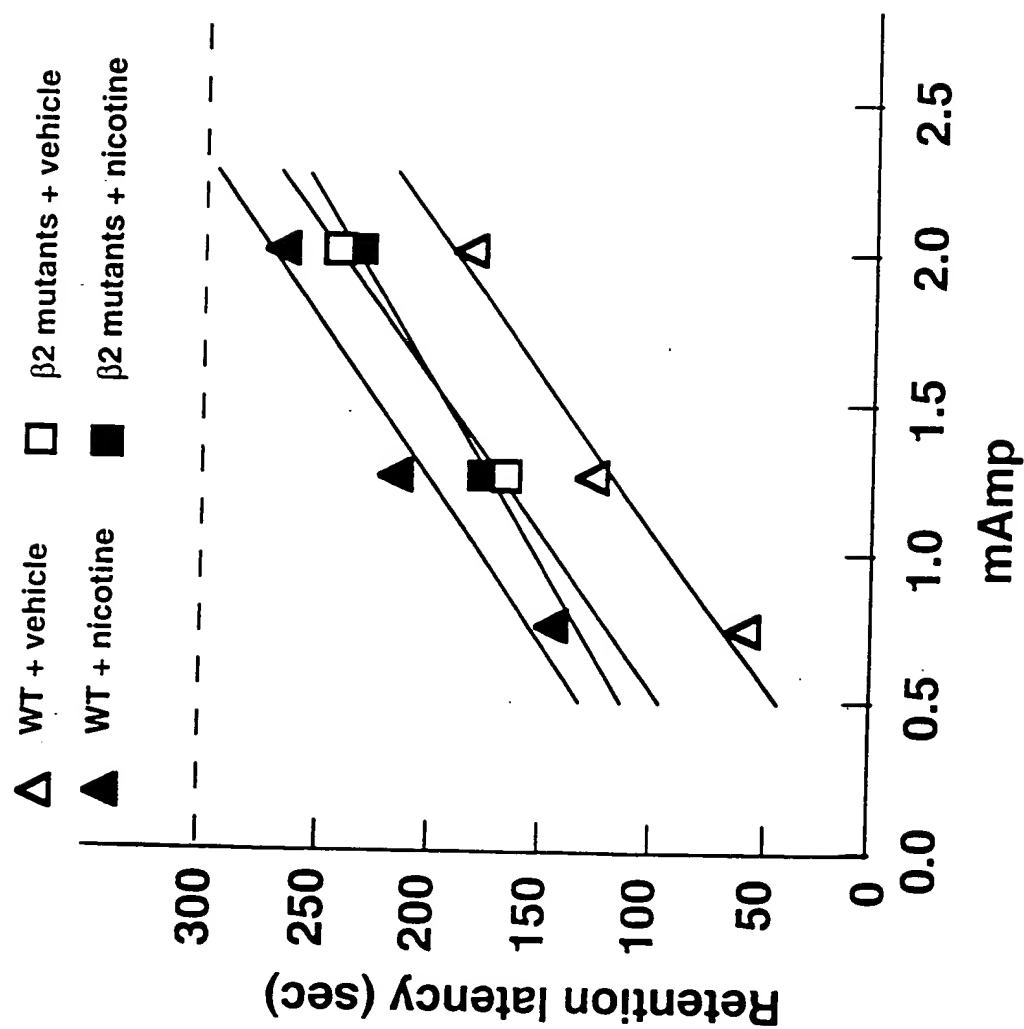


Figure 11 A

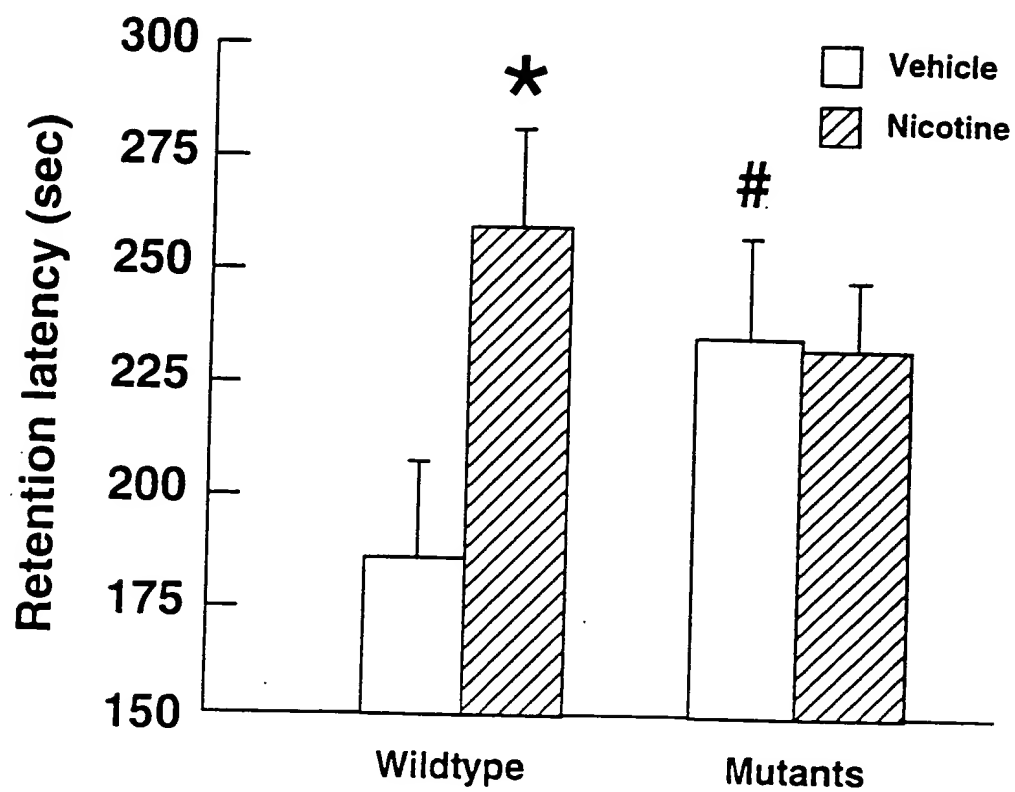


Figure 11 B

Ap : Apa I
 S : Sal I
 Ba : BamH I
 Er : EcoR I
 E47 : Eco47 III

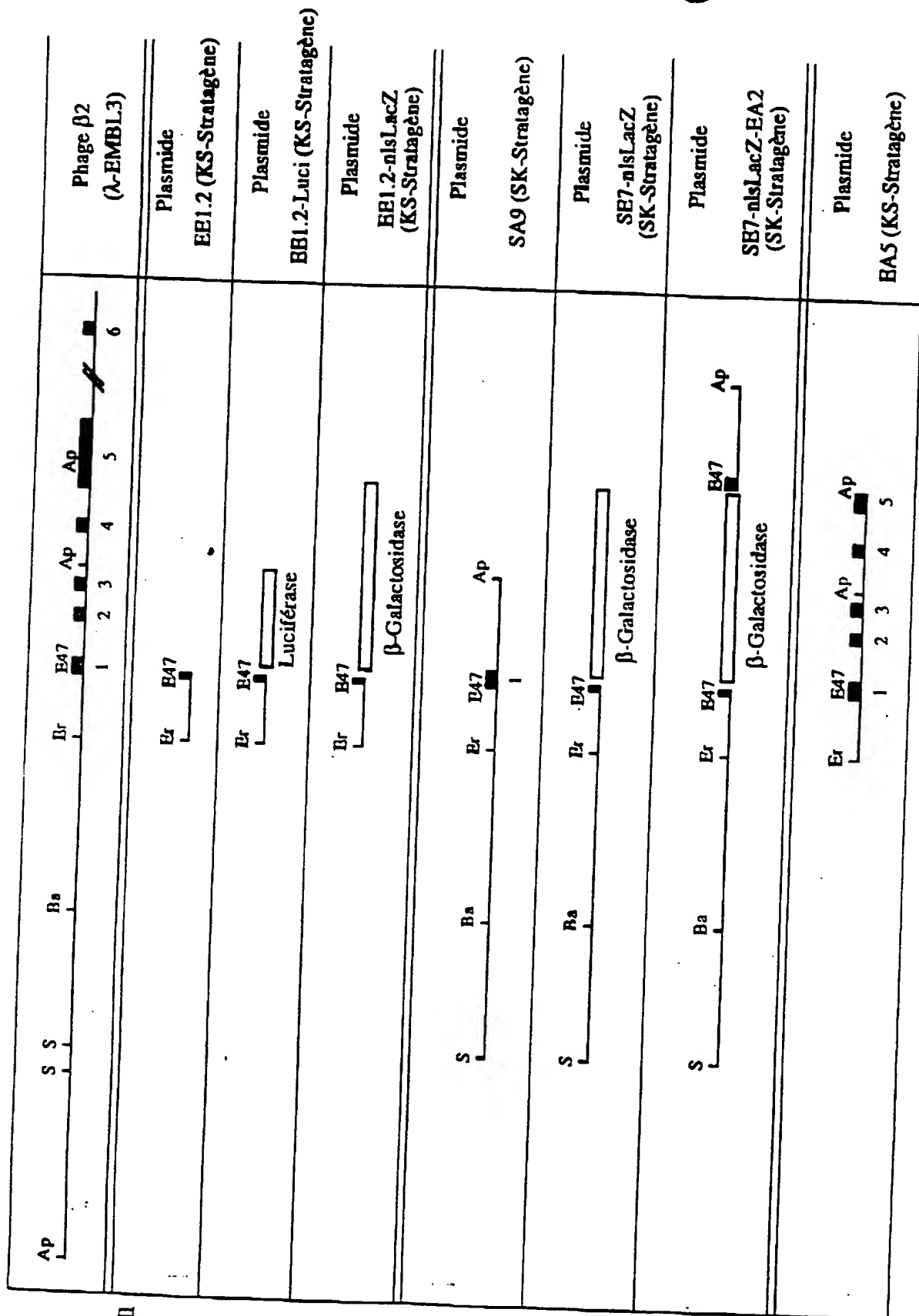


Figure 12

A

	Fibroblasts (3T6)	Neuroblastomas (SK-N-Be)
EE1.2-Luci wild type	1.1 (100%)	157 (100%)
EE1.2-Luci / NRSE/RE1	115.5 ± 13.8 (1050%)	502 ± 204 (320%)
EE1.2-Luci / E-Box	ND	94 ± 14 (60%)

B

Mouse $\beta 2$	TGCGCGGC.TTCAGCACACGGACAGCGC.TCCCGTCC
Sodium Channel (nt 29)	ATTGGGTT.TTCAGAACACGGACAGCAC.CAGAGTCT
SCG10 (nt 621)	AAAGCCAT.TTCAGCACACGGAGAGTGC.CTCTGCTT
Synapsin I (nt 2070)	CTGCCAGC.TTCAGCACCGCGGACAGTGC.CTTCGCCC
CAML1 (nt 1535)	TACAGGCC.TCCAGCACACGGACAGCAG.ACCGTGAA
Calbindin (nt 1093)	CCGAACGG.AGCAGCACCGCGGACAGCGC.CCCGCCGC
Neurofilament (nt 383)	ATCGGGGT.TTCAGCACACGGACAGCTC.CCGCGGGG
	TTCAGCACACGGACAGCGC

Table 1